

CIVILTECH QUALITY CONTROL LAB PRIVATE LIMITED,

Formerly Known as CIVIL TECH LABS (ESTD: 2014)

(Geo & Construction Material Testing)

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Organization Providing Recognition

- **Civiltech Quality Control Lab Private Limited is accredited by NABL as per IS/ISO/IEC: 17025-2017 for Mechanical Testing (Construction Material).**

About Us

The strength of the group lies in its dedicated, multi discipline professionals, innovative management and lab equipped with sophisticated equipment's/instruments.

“**CIVILTECH QUALITY CONTROL LAB PRIVATE LIMITED**” culture is grounded in integrity & respect. This means holding the highest standards of ethical business culture. This reputation for adhering to these standards has created a faith in its customers and helped in maintaining an unbreakable bond with more than 100 clients within a short span.

Objectives:

- **To establish a centre of excellence in the field/Laboratory of testing.**
- **Complying to all national/international standards, codes, International journals, and regulatory requirements.**
- **Development of our facilities and training personnel.**
- **Continually improving/implementing our processes and services.**
- **To team up with reputed educational and research organizations and organize collaborative programs for promotion of research and training pertaining to the construction materials.**
- **To organize awareness programs for the rural areas for proper utilization of the construction materials.**
- **Fulfil the Customer Satisfaction.**

Our field/Laboratory activities includes:

- Laboratory and field testing of Constructing Materials and components.
- Geo-Technical Investigations
- Semi-destructive testing (core test) of RC structures.
- Non-destructive testing (NDT) of RC structures.
- Road work Testings.
- QA/QC Third Party Quality Control Works.

Laboratory and field testing of building materials and components:

- Carrying out laboratory tests on Construction materials such as Soil, Cement, Coarse and Fine Aggregate, Clay Bricks, Fly ash Bricks, Paver Blocks, AAC Blocks, Concrete Blocks, GSB, WMM, Mix Designs Bituminous, Concrete Cores, Reinforcement steel, Structural steel, Timber, AAC Blocks etc. as per relevant Indian Standards.
- Concrete mix proportioning for strength, workability and durability for varying application.
- Special Concrete Mix Designs.
- Bitumen Density by Core Extraction.

Geo Technical Investigation:

- Collection of disturbed and undisturbed soil samples for laboratory testing.
- Standard Penetration Test, Sample collection up to 20 meters depth by Drilling the Bore Holes for Safe Bearing Capacity testing.
- California Bearing Ratio, Safe Bearing Capacity, Compaction and in-situ density tests for Compaction control in embankments and highways.
- Engineering Properties of Rock for Safe Bearing Capacity.

Semi-destructive testing (core test) of RC structures:

- Assessment of Harden Concrete in-situ strength through core extraction.
- Assessment of Harden Concrete Cubes

Non-Destructive Testing of RC Structures:

- Assessment of Quality of in-situ Concrete through Rebound hammer test.
- Ultra-Pulse Velocity Testing.

List Of Facilities

Sl. No.	Material	Name of Tests	Quantity of samples required for test
1	Bituminous Mixes	Sieve Analysis	10 Kgs Each Layer
		Bitumen Content	
		Density by Core Extraction	
		Bitumen Job Mix Formula	20 Kgs of each size of sieve
2	Bricks - Burnt Clay	Water Absorption	05 Nos. for each test
		Compressive Strength	
		Dimensions	20 Nos.
		Efflorescence	05 Nos. for each test
3	Bricks - Flyash	Water Absorption	05 Nos. for each test
		Compressive Strength	
		Dimensions	20 Nos.
		Efflorescence	05 Nos. for each test
4	Cement	Physical Properties	50 Kgs
		Chemical Properties	
5	Coarse Aggregate	Sieve Analysis	25 Kgs
		Specific Gravity	
		Bulk Density	
		Flakiness & Elongation Index	
		Water Absorption	10 kgs
		Impact Value	
		Crushing Value	
		Aggregate Abrasion Value	25 Kgs.
		Soundness Loss	
		Petrographic test	
Potential Alkali Silica Reactivity test (Mortar Bar Method ASTM C 1260)			
6	Fine Aggregate	Sieve Analysis	25 Kgs
		Specific Gravity	
		Bulk Density	
		Bulking & Moisture Content	
		Silt Content	
		Water Absorption	
		Materials Finer than 75 μ	25 Kgs
		Organic Impurities	
		Soundness Loss	
		Petro graphic Test	
		Potential Alkali Silica Reactivity test (Mortar Bar Method as per ASTM C 1260)	

Sl. No.	Material	Name of Tests	Quantity of samples required for test
7	Concrete Cores	Extraction, Sampling, & Testing	Blow 10 core samples Transportation charge extra
		Extraction	
8	Concrete Blocks	Water Absorption	Set of 03Nos.
		Compressive Strength	Set of 08Nos.
		Density	Set of 03Nos.
9	AAC Blocks	Moisture Content	12Nos.
		Compressive Strength	
		Density	
10	Concrete Cubes	Compressive Strength	For Set of 03Nos.
11	Concrete Mix Design	Up to M-45 Grade	Cement - 1 Bag, FA - 25 kgs, CA - 25 kgs (each)
		Above M-45 Grade	Cement - 1 Bag, FA - 30 kgs, CA - 25 kgs (each)
12	Granular Sub Base (GSB)	Sieve Analysis	60 Kgs
		Atterberg limits	
		Specific gravity	
		Water absorption	
		OMC & MDD	
		Job Mix Formula	
		Density by Sand Replacement	Blow 10 samples Transportation charge extra
13	Wet Mix Macadam (WMM)	Sieve Analysis	60 Kgs
		Atterberg limits	
		Specific gravity	
		Water absorption	
		OMC & MDD	
		Job Mix Formula	
		Density by Sand Replacement	Blow 10 samples Transportation charge extra
14	Paver Blocks	Water Absorption	11 Nos.
		Compressive Strength	
15	Reinforcing Steel	Mass /Running meter	3 Nos. of 1.0 Meter each Dia
		Tensile Test/Elongation/YS/UTS	
		Bend Test	
		Re-bend Test	
		Chemical Properties	

16	Soil	Grain Size Analysis	60 Kgs.
		Liquid Limit & Plastic Limit	
		Optimum Moisture Content & Maximum Dry Density -Light Compaction	
		Optimum Moisture Content & Maximum Dry Density - Heavy Compaction	
		California Bearing Ratio	
		Safe Bearing Capacity	
		Swell Pressure	
		Free Swell Index	
		Organic Impurities	
		Specific Gravity	
		Void Ratio	
		Permeability	
		100% Saturation	
		17	Structural Steel
Bend Test	0.5 Mt-1 No.		
Chemical Properties	1.0 Mt-1 No.		
18	Water	Suitability for Concrete	1.0 Lt
19	Soil - SPT	SBC	Un-Disturbed Sampling
20	Soil - Field Density	Density by Core cutter Method	Un-Disturbed Sampling

OUR ESTEEMED CLIENTS

1	Roads & Buildings Department	42	Mark infra	82	Vasista infra
2	Irrigation Department	43	AR Constructions	83	Imperial Costal Infra
3	Panchayat Raj Department	44	Q Constructions	84	M/s. Ratnm Infra
4	RWS	45	Akshitha Avenues	85	AASTHA Infra Projects
5	HMDA	46	Jayam Engineering	86	Srigdha Infra Developers
6	GHMC, HMWS	47	Maram Infra Projects	87	South Central Railway
7	TSEWIDC	48	RSS-JV	88	APEWIDC
8	TSIIC	49	Sudha Construction	89	M/s KPR constructions
9	TSMSIDC	50	DEC Infrastructure & Projects	90	EQUADCRETE Private Limited
10	TSPHCL	51	B.V.R Projects	91	Banka Bio Limited
11	Public Health	52	Pioneer Engineering works	92	Kailash Engineering Enterprises
12	Karimnagar Smart City	53	Craftsman Projects	93	Dhramataru Consultants
13	Forest Department	54	SUROJ BUILDCON PVT. LTD	94	Sanjana Consultants.
14	Yeshpal Constructions Pvt. Ltd.,	55	Sri Sai Tanishq Constructions	95	SVKM NMIMS
15	Coastal Infra Projects	56	Medha Servo Drives Pvt Ltd	96	Aaditri Housing Pvt.Ltd.
16	Sri Sai Constructions	57	Raghava Constructions	97	BRBS Reality
17	Megha Engineers Infrastructure Ltd	58	Varenyam InfraTech	98	WAPCOS
18	Anitha Constructions	59	Vijaya Sai Engineers & Developers Pvt Ltd.	99	Tripura constructions
19	Hemchand & Co	60	Superior labs	100	MEGHA Engineering & Infrastructures Ltd.
20	Shivam Roads & Infra Structures	61	Madhumitha Constructions	101	Sri Gayatri Housing Pvt. Ltd.
21	Navayuga Engineering	62	GESTS Consultancy	102	M/s. Hindustan Coca-Cola Beverages Pvt .Ltd
22	Afcon Infrastructure Ltd	63	KEC International	103	NIPER
23	NSPR	64	BLG Infra Projects	104	KPR Constructions
24	Kapil Infra Private Limited	65	GSR Constructions	105	LINEAR Constructions
25	SNIST	66	Kakatiya Constructions	106	SR Constructions
26	Mahavir Contructions	67	SSR Crest Engineers	107	Konda Constructions
27	Lucid Laboratories Pvt. Ltd.,	68	Chandana Infra Projects	108	Doyan Constructions
28	Aditya Constructions	69	Anantha Infra	109	KVR Projects
29	Poulami Infra Pvt Ltd	70	VIYA Ventures	110	GNR Constructions
30	KSR Infra	71	DSR Projects	111	Sanvi Constructions
31	M/s PDR Constructions	72	SPC Infra	112	HES
32	Navabharath Ready Mix	73	Gaja Engineering Pvt. Ltd.	113	Aashish Infra Projects
33	M/s. Urvija Projects LLP	74	MADHUCON	114	SPC Infra Projects
34	M/s Pentagon Rugged Systems India Pvt Ltd	75	Mahavir Constructions	115	M/s. SRC Company Infra Pvt Ltd
35	M/s OMS Infra Consultants Pvt Ltd	76	Challa Infra Projects	116	M/s. NSP INRAFON
36	M/s. Vikran Engineering and Exim Pvt. Ltd.,	77	M/s Ch. Gowri Shankar Infra Build (INDIA) Pvt. Ltd.	117	M/s. Tripura Constructions
37	M/S. AHRK INFRA Projects Pvt Ltd			118	Hima sai Construction
38	PLR projects	78	JB Construction	119	NHR Infra
39	M/s Grahambell Educational Academy	79	M/s Qualmed Health Science Pvt Ltd	120	Orange Reality
40	M/s Saanvi Constructions	80	KRSM D & B	121	M/s Sri Ramana Fly ash Bricks
41	M/s DMW Infra	81	M/s Bluefin Constructions LLP	122	M/s Bondada Engineering Limited

